



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of)
Daniel Alvarez et al.) FOR: GAS CONTAMINANT AND
Serial No.: 10/084,022) QUANTIFICATION METHOD
Filed: February 25, 2002) Group
Art Unit: 1724

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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents
Washington, D.C. 20231

Attention: Examiner

Dear Sir:

Applicants submit herewith references of which they are aware, which they believe may be material to patentability of the invention disclosed and claimed in the above-cited application and with respect to which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202on:

April 16, 2003

(Mailing Date)

Karen L. Johnson

(Typed Name)

Karen L. Johnson

(Signature)

April 16, 2003

(Date of Signature)

Applicants are submitting herewith copies of the references which are set forth on the attached Form PTO/SB/08A. As all relevant parts of the references are in the English language, no explanation of the references is provided herein.

This Information Disclosure Statement is submitted within three (3) months of the filing date of the above-cited application or of the date of entry into the national phase of the application or prior to the mailing date of a first Office Action thereon, whichever has occurred last, such that no fee is required.


Further, while the references provided in this Information Disclosure Statement may be material to patentability pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specifically designated as such.

Also, in accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

Respectfully submitted,

Dated: April 16, 2003

By:


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Docket No.: 7184-PA15



1724 #3
DLE
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PTO/SB/21 (03-03)
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TRANSMITTAL FORM

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Total Number of Pages in This Submission

113

Application Number

10/084,022

Filing Date

02/25/2002

First Named Inventor

Daniel Alvarez, Jr.

Art Unit

1724

Examiner Name

unknown

Attorney Docket Number

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ENCLOSURES (Check all that apply)

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Colleen J. McKiernan Reg. No. 48,570
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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				Application Number	10/084,022
				Filing Date	02/25/2002
				First Named Inventor	Daniel Alvarez, Jr.
				Group Art Unit	1742
Examiner Name	unknown				
Sheet	1	of	1	Attorney Docket Number	7184-PA15

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	1	4,072,467		Jones	02-07-1978
	2	4,111,658		Firth et al.	09-05-1978
	3	4,123,225		Jones et al.	10-31-1978
	4	4,313,907		McNally	02-02-1982
	5	5,225,786		Vaughn et al.	07-06-1993
	6	5,513,125		Kauschke	04-30-1996
	7	5,932,791		Hambitzer et al.	08-03-1999
	8	6,419,808		Taniguchi	07-16-2002
	9	6,458,741		Roark et al.	10-01-2002

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Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.